

FRASER VALLEY REGIONAL DISTRICT



REGIONAL AND CORPORATE SERVICES COMMITTEE

MERGED OPEN MEETING AGENDA AND ADDENDUM

Tuesday, February 12, 2019

9:00 am

FVRD Boardroom, 45950 Cheam Avenue, Chilliwack, BC

Pages

1. CALL TO ORDER

2. APPROVAL OF AGENDA, ADDENDA AND LATE ITEMS

MOTION FOR CONSIDERATION

THAT the Agenda, Addenda and Late Items for the Regional and Corporate Services Committee Open Meeting of February 12, 2019 be approved;

AND THAT all delegations, reports, correspondence and other information set to the Agenda be received for information.

3. DELEGATIONS AND PRESENTATIONS

None

4. MINUTES/MATTERS ARISING

4.1 **Minutes of the Regional and Corporate Services Committee Open Meeting - January 9, 2019**

4 - 8

MOTION FOR CONSIDERATION

THAT the Minutes of the Regional and Corporate Services Committee Open Meeting of January 9, 2019 be adopted.

5. CORPORATE ADMINISTRATION

5.1 **UBCM Annual Convention: Vancouver, BC: September 23 to 27, 2019**

9 - 10

- Corporate report dated February 12, 2019 from Jaime Reilly, Manager of Corporate Administration

MOTION FOR CONSIDERATION

THAT the Fraser Valley Regional District Board authorize the Board Chair,

Board Vice Chair and Chief Administrative Officer to attend the 2019 Union of British Columbia Municipalities Convention to be held in Vancouver, BC between September 23 and 27, 2019;

AND THAT registration fees, accommodations and travel costs be approved from Budget 101.

5.2 2019 Christmas Closure of FVRD Corporate Offices 11 - 12

- Corporate report dated February 12, 2019 from Paul Gipps, Chief Administrative Officer

MOTION FOR CONSIDERATION

THAT the Fraser Valley Regional District Board approve the closure of the FVRD Corporate Offices to the public on December 27, 30 and 31, 2019.

6. FINANCE

6.1 Board Remuneration – Impact of Municipal Officer’s Expense Allowance Exemption 13 - 15

FOR INFORMATION ONLY

- Corporate report dated February 12, 2019 from Mike Veenbaas, Director of Financial Services

7. REGIONAL PROGRAMS AND SERVICES

7.1 ENVIRONMENTAL SERVICES

7.1.1 Geothermal Heat Pump Project at Hope and Area Recreation Centre Update 16 - 18

- Corporate report dated February 12, 2019 from Micha Gutmanis, Environmental Services Coordinator

MOTION FOR CONSIDERATION

THAT the Fraser Valley Regional District Board direct staff to submit a grant application of up to \$2 million to the Investing in Canada Infrastructure Program for the Hope and Area Recreation Centre Geothermal Heat Recovery Project;

AND THAT the Fraser Valley Regional District Board commit up to \$1.5 million in funding towards the project from Hope and Area Recreation Centre Service Area reserves.

7.1.2 Electric Vehicle Chargers at the FVRD Main Office Building 19 - 22

FOR INFORMATION ONLY

- Corporate report dated February 12, 2019 from Micha

- Appendix 1 - FVRD Chilliwack Parking Lot EV Charging Stations Option

7.2 REGIONAL PARKS

No Items.

7.3 STRATEGIC PLANNING AND INITIATIVES

No Items.

7.4 OUTDOOR RECREATION AND PLANNING

No Items.

8. ADDENDA ITEMS/LATE ITEMS
9. REPORTS BY STAFF
10. REPORTS BY DIRECTORS
11. PUBLIC QUESTION PERIOD FOR ITEMS RELEVANT TO AGENDA
12. RESOLUTION TO CLOSE MEETING

MOTION FOR CONSIDERATION

THAT the meeting be closed to the public, except for Senior Staff and the Executive Assistant, for the purpose of receiving and adopting Closed Meeting Minutes convened in accordance with Section 90 of the *Community Charter* and to consider matters pursuant to:

- Section 90(1)(g) of the *Community Charter* - litigation or potential litigation affecting the Regional District.

R E C E S S

13. RECONVENE OPEN MEETING
14. RISE AND REPORT OUT OF CLOSED MEETING
15. ADJOURNMENT

MOTION FOR CONSIDERATION

THAT the Regional and Corporate Services Committee Open Meeting of February 12, 2019 be adjourned.

FRASER VALLEY REGIONAL DISTRICT REGIONAL AND CORPORATE SERVICES COMMITTEE OPEN MEETING MINUTES

Wednesday, January 9, 2019
9:00 am
FVRD Boardroom, 45950 Cheam Avenue, Chilliwack, BC

Members Present: Director Jason Lum, City of Chilliwack, Chair
Director Pam Alexis, District of Mission
Director Henry Braun, City of Abbotsford
Director Bill Dickey, Electoral Area D
Director Orion Engar, Electoral Area E
Director Leo Facio, Village of Harrison Hot Springs
Director Ken Popove, City of Chilliwack
Director Sylvia Pranger, District of Kent
Director Peter Robb, District of Hope
Director Al Stobbart, Electoral Area G

Regrets: Director Patricia Ross, City of Abbotsford, Vice Chair
Director Terry Raymond, Electoral Area A

Staff Present: Paul Gipps, Chief Administrative Officer
Mike Veenbaas, Director of Financial Services
Barclay Pitkethly, Director of Regional Programs
Stacey Barker, Deputy Director of Regional Programs
Jennifer Kinneman, Manager of Corporate Affairs
Jaime Reilly, Manager of Corporate Administration
Christina Vugteveen, Manager of Parks
David Urban, Manager of Outdoor Recreation Planning
Lance Lilley, Environmental Planner
Jamie Benton, Environmental Services Coordinator
Micha Gutmanis, Environmental Services Coordinator
Kristy Hodson, Manager of Financial Operations
Matthew Fang, Network Analyst I
Maggie Mazurkewich, Executive Assistant to CAO
Chris Lee, Executive Assistant (Recording Secretary)

1. CALL TO ORDER

Chair Lum called the meeting to order at 9:00 a.m.

2. APPROVAL OF AGENDA, ADDENDA AND LATE ITEMS

Moved By FACIO
Seconded By POPOVE

THAT the Agenda, Addenda and Late Items for the Regional and Corporate Services Committee Open Meeting of January 9, 2019 be approved;

AND THAT all delegations, reports, correspondence and other information set to the Agenda be received for information.

CARRIED

3. MINUTES/MATTERS ARISING

3.1 Minutes of the Regional and Corporate Services Committee Open Meeting - December 11, 2018

Moved By ALEXIS
Seconded By ENGAR

THAT the Minutes of the Regional and Corporate Services Committee Open Meeting of December 11, 2018 be adopted.

CARRIED

4. CORPORATE ADMINISTRATION

4.1 LMLGA AGM and Annual Conference: Harrison Hot Springs – May 8 to 10, 2019

Moved By FACIO
Seconded By ROBB

THAT the Fraser Valley Regional District Board authorize the Board Chair, Board Vice Chair and Chief Administrative Officer to attend the 2019 Lower Mainland Local Government Association AGM and Conference to be held in Harrison Hot Springs, BC between May 8 and 10, 2019;

AND THAT registration fees, accommodation and travel costs be approved from Budget 101.

CARRIED

4.2 FCM Annual Conference: Quebec City, May 30 to June 2, 2019

THAT the Fraser Valley Regional District Board authorize the Board Chair and Board Vice Chair to attend the FCM Annual Conference and Trade Show to be held in Quebec City from May 30 to June 2, 2019;

AND THAT registration fees, accommodation and travel costs be approved from Budget 101.

It was proposed that the Chief Administrative Officer be included as an attendee to the FCM Annual Conference and the motion was amended as follows:

Moved By STOBART
Seconded by PRANGER

THAT the Fraser Valley Regional District Board authorize the Board Chair, Board Vice Chair and the Chief Administrative Officer to attend the FCM Annual Conference and Trade Show to be held in Quebec City from May 30 to June 2, 2019;

AND THAT registration fees, accommodation and travel costs be approved from Budget 101.

CARRIED

5. FINANCE

No items.

6. REGIONAL PROGRAMS AND SERVICES

6.1 ENVIRONMENTAL SERVICES

6.1.1 Solar Panel Grant for Fraser Valley Regional District Head Office Building

Comments were offered that the project is eagerly anticipated.

Moved By ENGAR
Seconded By ALEXIS

THAT the Fraser Valley Regional District Board accept a \$25,000 grant from Solar Now and proceed with the installation of a rooftop solar panel system at the Cheam Avenue office building.

CARRIED

6.1.2 Nuisance Mosquito Control Pest Management Plan

The corporate report dated January 9, 2019 from the Environmental Planner with respect to FVRD's Nuisance Mosquito Control Program was provided for information.

Staff provided brief information on the two classifications of mosquitoes, noting that the FVRD Control Pest Control Plan focuses on nuisance and flood water mosquitoes. In response to a question raised, staff confirmed

that Matsqui Island is also included in the FVRD Control Pest Management Plan and that a detailed mapping project of Matsqui Island to trace breeding sites was carried out last year. The importance of messaging to the public during peak mosquito season was highlighted.

6.1.3 The BC Organics Infrastructure Program

The corporate report dated January 9, 2019 from the Environmental Services Coordinator pertaining to the BC Organics Infrastructure Program was provided for information.

6.2 REGIONAL PARKS

No items.

6.3 STRATEGIC PLANNING AND INITIATIVES

No Items.

6.4 OUTDOOR RECREATION AND PLANNING

6.4.1 FVRD Outdoor Recreation Economic Impact Analysis Update

The corporate report dated January 9, 2019 from the Manager of Outdoor Recreation Planning pertaining to FVRD Outdoor Recreation Economic Impact Analysis was circulated for information. With the potential influx of recreational users the consideration of the development of a management plan and the impact to search and rescue were raised. Staff noted that that they are gathering data based on geographical areas.

7. OTHERS MATTERS

7.1 Investing in Canada Infrastructure Grant Program - Requests for Board Support

Paul Gipps, Chief Administrative Officer reported that the Village of Harrison Hot Springs and the District of Kent have requested for letters of support for projects which they wish to undertake under the '*Investing the Canada Infrastructure Program*'.

BRAUN/FACIO

THAT the Fraser Valley Regional District provide a letter of support to the Village of Harrison Hot Spring for their grant application under the '*Investing in Canada*

Infrastructure Program for the creation of a public building to serve as a Culture Hub;

AND THAT the Fraser Valley Regional District Board also provide a letter of support to the District of Kent for their grant application under the *'Investing in Canada Infrastructure Program'* for the development of an Indoor Aquatic Facility.

CARRIED

8. ADDENDA ITEMS/LATE ITEMS

None

9. REPORTS BY STAFF

None

10. REPORTS BY DIRECTORS

Director reported on upcoming Johnny Harris comedy show taking place at the Memorial Hall on Saturday, January 12, 2019 at Harrison Hot Springs.

11. PUBLIC QUESTION PERIOD FOR ITEMS RELEVANT TO AGENDA

None

12. ADJOURNMENT

Moved By FACIO
Seconded By ENGAR

THAT the Regional and Corporate Services Committee Open Meeting of January 9, 2019 be adjourned.

CARRIED

The Regional and Corporate Services Committee Meeting adjourned at 9:20 a.m.

MINUTES CERTIFIED CORRECT

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Director Jason Lum, Chair

To: CAO for the Regional and Corporate Services Committee

Date: 2019-02-12

From: Jaime Reilly, Manager of Corporate Administration

File No: 0390-20-2019

Subject: UBCM Annual Convention: Vancouver, BC: September 23 to 27, 2019

RECOMMENDATION

THAT the Fraser Valley Regional District Board authorize the Board Chair, Board Vice Chair and Chief Administrative Officer to attend the 2019 Union of British Columbia Municipalities Convention to be held in Vancouver, BC between September 23 and 27, 2019;

AND THAT registration fees, accommodations and travel costs be approved from Budget 101.

BACKGROUND

In 2018, the UBCM Annual Convention was held in Whistler, BC.

DISCUSSION

The agenda for this convention is not yet available. However, as UBCM is always very well attended and often sells out when in Vancouver, staff is bringing this forward for discussion prior to registration opening in Summer 2019.

Approval is also being sought from the Board for the attendance of Electoral Area Directors.

COST

The convention registration fees have not yet been announced. However, the fees for the 2018 convention were approximately \$1,000 per person.

The hotel block for UBCM opened in October 2018, rooms have been secured at the Pan Pacific Vancouver Hotel at a rate of \$309 plus taxes, per room, per night. As the conference is held in Vancouver, the only travel expenses will be mileage.

CONCLUSION

As the Union of British Columbia Municipality Annual Convention is held locally and very well attended, staff is bringing this forward for the Board's consideration so that registration can be arranged as soon as possible.

COMMENTS BY:

Mike Veenbaas, Director of Financial Services

Reviewed and supported. Funds are included annually for attendance at UBCM.

Paul Gipps, Chief Administrative Officer

Reviewed and supported

To: CAO for the Regional and Corporate Services Committee

Date: 2019-02-12

From: Paul Gipps, Chief Administrative Officer

File No: 0110-01

Subject: 2019 Christmas Closure of FVRD Corporate Offices

RECOMMENDATION

THAT the Fraser Valley Regional District Board approve the closure of the FVRD Corporate Offices to the public on December 27, 30 and 31, 2019.

STRATEGIC AREA(S) OF FOCUS

Provide Responsive & Effective Public Services

BACKGROUND

The Fraser Valley Regional District has closed its offices to the public during the week following Christmas since 2014. If this trend is to continue, we are required to provide our staff with formal notice so that they may coordinate the use of their personal holidays for this time. Providing this much notice is required under the Collective Agreement whereby no additional costs will be borne by the FVRD.

DISCUSSION

Since 2014, the FVRD office has been closed to the public between Christmas and New Year's Day. In 2019, the holidays fall in such a way that December 27, 30 and 31 are sandwiched between the Christmas and New Year statutory holidays.

Staff believe that these three days provided limited service to the public, and as such as requesting that the Board authorize the office closure to the public. Should the Board approve this closure, staff would:

- Post the closure on the FVRD website, social media channels and on the FVRD corporate office entrances prior to the closure;
- Staff would be permitted to take vacation, earned days off and/or unpaid leaves of absence for these three days; and

- The FVRD switchboard will not be open to accepting calls, with the exception of Emergency call outs.

COST

There are no costs implications associated with this recommendation.

CONCLUSION

The holidays fall in such a way that three days are sandwiched between Christmas and New Year statutory holidays. Staff believe that these three days provide limited service to the public and are requesting that the Board authorize the office closure to the public.

COMMENTS BY:

Mike Veenbaas, Director of Financial Services

No further financial comments.

To: CAO for the Regional and Corporate Services Committee

Date: 2019-02-12

From: Mike Veenbaas, Director of Financial Services

File No: 1720-01

Subject: Board Remuneration – Impact of Municipal Officer’s Expense Allowance Exemption

INTENT

This report is intended to advise the Regional and Corporate Services Committee of information pertaining to the estimated impact of the elimination of the Municipal Officer’s Expense Allowance Exemption. Staff is not looking for a recommendation and has forwarded this information should members want more clarification to discuss the item further.

BACKGROUND

As part of the 2017 Federal Budget, the Federal Government announced that tax exemptions that apply for the non-accountable expense allowances paid to members of provincial and territorial legislative assemblies and to certain municipal office-holders would be eliminated. This change was effective January 1, 2019 and impacted the net remuneration received by FVRD Board and Alternate Directors. Information regarding this change was discussed as part of the Board remuneration review completed in mid-2017.

DISCUSSION

At the January 2019 EASC meeting a motion was passed asking Staff to report back on the impact of the elimination of the Municipal Officer’s Expense Allowance Exemption (up to 1/3 tax exemption). While the impact can be estimated based on net remuneration received from FVRD, the actual impact

per Director will vary depending on the Director's total overall income level from all sources and any applicable income tax deductions/exemptions.

In order to understand the impact from the exemption elimination, Staff reviewed the net remuneration level by Director from the last pay period of 2018 to the first pay period of 2019. On average the net remuneration in 2019 is 93.2% of 2018 levels which also includes a 2.6% CPI adjustment for 2019. If no CPI adjustment had been applied, the net remuneration levels for 2019 would be 90.8% of what was received in 2018. The decrease is fully the result of the exemption elimination. The table bellows summarizes the impact on a bi-weekly basis for an average Electoral Area Director and Municipal Director:

	2018 Bi-weekly Net Pay	2019 Bi-weekly Net Pay	2019 over 2018	2019 over 2018 (excluding 2019 CPI adjustment)
Average Municipal Director	\$418	\$392	93.8%	91.4%
Average Electoral Area Director	\$1,101	\$1,019	92.5%	90.2%

When annualized, the reduction in average net remuneration would be \$680 for a Municipal Director and \$2,140 for an Electoral Area Director. The amount of impact varies for Board members that hold additional positions such as Committee or Board Chair/Vice-Chair.

To allow a Board Director's average 2019 net remuneration to be roughly equal with their 2018 net remuneration plus the 2.6% CPI adjustment, remuneration levels would need to increase an estimated 13-14%. The estimated increase also provides for the additional tax impact that would result in a remuneration increase.

COST

Board Director stipends are budgeted in the Regional Administration and Electoral Area Administration service areas. The table below can help the Committee understand the financial impact of a remuneration adjustment:

	2019 Budget	2019 Budget with 14% Increase	Requisition Increase	Impact per \$100,000 of Assessment
Regional Administration	\$259,800	\$296,200	\$36,400	\$0.04
Electoral Area Administration	\$214,170	\$244,170	\$30,000	\$0.62

CONCLUSION

As a result of changes made by the Federal Government to the Income Tax Act, the Municipal Officer's Expense Allowance Exemption was eliminated January 1, 2019. This had the result of removing a tax free allowance for up to 1/3 of a Board Director's stipend and effectively decreased the 2019 average net remuneration level to 90.8% of what was being received in 2018.

COMMENT BY:

Paul Gipps, Chief Administrative Officer

Reviewed and supported

To: CAO for the Regional and Corporate Services Committee

Date: 2019-02-12

From: Micha Gutmanis, Environmental Services Coordinator

File No: 1855-35

Subject: Geothermal Heat Pump Project at Hope and Area Recreation Centre Update

RECOMMENDATION

THAT the Fraser Valley Regional District Board direct staff to submit a grant application of up to \$2 million to the Investing in Canada Infrastructure Program for the Hope and Area Recreation Centre Geothermal Heat Recovery Project;

AND THAT the Fraser Valley Regional District Board commit up to \$1.5 million in funding towards the project from Hope and Area Recreation Centre Service Area reserves.

STRATEGIC AREA(S) OF FOCUS

Support Environmental Stewardship

Support Healthy & Sustainable Community

PRIORITIES

Priority #2 Air & Water Quality

BACKGROUND

A large amount of energy is required to heat and cool the buildings, create and maintain the ice, and heat the swimming pool at the Hope and Area Recreation Centre. Current systems are energy inefficient, with 1,868,000 kWh of thermal energy dissipating to the outdoor air through a cooling tower or through the municipal sewer system, a practice that is both hard on municipal piping infrastructure and wastes significant quantities of potable water. The refrigeration plants alone produce 34% more energy than is needed to heat the buildings per year. These factors make the Hope and Area Recreation Centre the Fraser Valley Regional District's (FVRD) largest corporate greenhouse gas contributor and requires a significant portion of its budget be directed towards energy needs.

Recent incidents at other ice arenas have highlighted that the safe use of ammonia as a refrigerant for producing ice is still a concern. Although the Hope Recreation Ice Arena has an outstanding safety record and follows recommended safe working protocol, the ammonia system is not the safest option available.

Recreation centres across Canada are looking to solve the problems such as those mentioned above by capturing the excess heat production with a geothermal heat pump system. A geothermal heat pump is a central heating and cooling system that transfers and stores heat to and from the ground. Heat

removed from the ice can be stored in a geothermal heat pump system and be recirculated to heat the buildings or pool, make hot water, melt snow, and dehumidify the rink.

A geothermal heat pump can be broken down into three primary components:

- A ground heat exchanger – this consists of long sections of liquid-filled plastic pipe buried in the ground horizontally that are used to store and transfer heat to the ground, and vice versa.
- A liquid pump – sends water through the system.
- Water source heat pump – this functions like a boiler; it receives heat from the loop and then distributes it within the given structure.

For added energy efficiency in arenas, a thermal storage buffer can be installed under the conventional concrete floor that supports the ice slab. The heat pump chills the buffer under the ice during off-peak hours allowing the ice to remain cold for an extended period of time during a power outage or extreme cold snaps where energy supply may be limited.

DISCUSSION

The Hope and Area Recreation Centre is an excellent candidate for a geothermal heat pump system. A geothermal heat pump system at the Centre would remove the use of gas and reduce the CO₂ emissions by approximately 290 tonnes (93%) annually, while saving an estimated \$22,500 in utility costs per year. It would eliminate the use of ammonia and ensure the Centre continues to be a safe and environmentally sustainable space for the community.

Timing is also optimal as the arena floor slab is due for replacement which would allow for the addition of a thermal storage buffer under the ice. The location of the Centre is also advantageous as it would be possible to extend the system in the future off the site to surrounding public buildings and businesses, creating a district heating system and further offsetting operations costs for the Centre.

Currently, the *Investing in Canada Infrastructure Program (ICIP)*, which both the Governments of Canada and British Columbia jointly fund, is accepting applications under two streams: the **Community, Culture & Recreation Infrastructure** stream and the **Green Infrastructure-CleanBC Communities** stream. The ICIP program's main objectives are to invest in infrastructure that creates economic growth, builds inclusive communities, and supports a low-carbon, green economy.

COST

Cost estimates indicate that the geothermal heat pump project would cost approximately \$3.5 million. This figure includes the cost of redoing the concrete slab and refrigerant piping under the ice slab. The Hope and Area Recreation Centre Service Area reserve account has \$1.5 million of funding that has already been allocated toward ice slab upgrades within the approved 5 year financial plan, which can be used to leverage additional grant funding.

CONCLUSION

As a signatory of the BC Climate Action Charter, the FVRD is committed to becoming carbon neutral in its all of its operations. A geothermal heat pump system for the Hope and Area Recreation Centre would drastically decrease its carbon footprint, help it realize long-term financial savings, and ensure continued safe working conditions. Securing grant funding to assist in its implementation would make the project more economically feasible and therefore the FVRD is applying for several opportunities.

COMMENTS BY:

Barclay Pitkethly, Director of Regional Programs

Reviewed and supported.

Mike Veenbaas, Director of Financial Services

Reviewed and supported.

Paul Gipps, Chief Administrative Officer

Reviewed and supported.

To: CAO for the Regional and Corporate Services Committee

Date: 2019-02-12

From: Micha Gutmanis, Environmental Services Coordinator

File No: 1010-95

Subject: Electric Vehicle Chargers at the FVRD Main Office Building

INTENT

This report is intended to advise the Board of an expansion to the electric vehicle charging infrastructure in the parking lot of the main Fraser Valley Regional District office building. Staff is not looking for a recommendation and has forwarded this information should members want more clarification to discuss the item further.

STRATEGIC AREA(S) OF FOCUS

Support Environmental Stewardship
Support Healthy & Sustainable Community

PRIORITIES

Priority #2 Air & Water Quality

BACKGROUND

Recent Electric Vehicle (EV) trends show that their popularity has grown rapidly, as nearly 35,000 plug-in electric vehicles were sold in Canada through the first 9 months of 2018, an increase of 158% compared to a year prior. Governments at all levels have had a large impact on EV adoption through policy and infrastructure investments. In late 2018, the Province announced that proposed legislation will phase in targets for the sale of zero-emission vehicles: 10% of new light-duty passenger vehicle sales in B.C. will be zero-emission vehicles by 2015; 30% by 2030; and 100% by 2040. This will put additional pressures on EV charging infrastructure, including on the public charging network.

EV owners who will be most reliant on the public charging network will be the next generation of EV buyers, the Early Mainstream. Studies show that the EV Pioneers, those who already own EVs, tend to live in detached homes with access to home-based charging. However, the Early Mainstream buyers will have a higher percentage living in multi-family dwellings without access to home charging, therefore being much more reliant on public chargers. Level 2 charging, adequate for most plug-in hybrid vehicles, will need to be expanded rapidly to keep up with this future demand.

DISCUSSION

BC Hydro, in partnership with the Province, is initiating an innovative High Voltage Utility Connected (HVUC) demonstration project in the Lower Mainland, and local governments have been invited to participate. The primary objective of the HVUC project is to demonstrate a new type of Level 2 charger which addresses the challenges associated with EV infrastructure deployment in multi-unit residential

buildings and commercial buildings. The chargers are designed to have low installation costs, low operating costs due to their ability to turn off when not in use, and utility connectivity for metering and communications capabilities. BC Hydro would like to install four of the HVUC dual port chargers in the FVRD's main office parking lot, which can charge up to eight cars at once.

The chargers will be located in the parking stalls directly adjacent to the existing DC Fast Charger. Clustering the electric vehicle chargers together in a cohesive row will decrease electrical wiring costs and will allow for proper EV charging signage. Allocating eight parking stalls will allow for the next generation of EV adoption by the public, staff, and the FVRD's fleet. On days with Committee or Board meetings and other busy events, certain electric vehicle charging stations parking spaces may be opened up for general parking.

The existing Level 2 charger by the front doors will be removed and installed elsewhere in the Region, and the parking stall will be replaced with Director parking. For every Director parking stall that is removed for a Level 2 charger, it will be replaced with a new parking stall- in most cases closer to the main building. Appendix 1 displays the proposed parking arrangement with the new Level 2 chargers.

COST

The Level 2 chargers will be provided for free, with FVRD covering the one-time installation costs. The cost to install all four dual head chargers is quoted at \$24,130 which includes creating a new service from an existing transformer, running underground wiring to the charger locations and pouring concrete bases for the chargers. The funding for the FVRD contribution will come from the building maintenance budget under FVRD's General Buildings Area (Budget 114), generated as part of the Administration Support Recovery allocated to all FVRD service areas (regional and electoral area).

By setting up the Level 2 chargers with their own electrical service, it will allow the FVRD to analyze and separate usage data from the existing fast charger. The charger infrastructure will have the ability to provide for a cost recovery structure that would allow the chargers to cover the cost of the electrical supply, similar to how the DC Fast Charger operates.

CONCLUSION

Electric vehicles represent a technology advancement with significant potential to reduce harmful air pollutants and community GHG emissions while providing related social and economic sustainability benefits. In order to support this transition, charging infrastructure is needed in various forms and locations. The four new dual port HVUC chargers will assist in the development of new charging technology, while providing access to charging for the public, staff, and fleet vehicles.

COMMENTS BY:

Barclay Pitkethly, Director of Regional Programs: Reviewed and supported.

Mike Veenbaas, Director of Financial Services: Reviewed and supported.

Paul Gipps, Chief Administrative Officer:

Reviewed and supported.

Appendix 1

FRASER VALLEY REGIONAL DISTRICT & TENANTS CHILLIWACK FIRE DEPARTMENT HALL #1 DESIGNATED PARKING STALLS



Date of Revision: October 2016

FILE: K:\FVRD\Cheam Ave Office\Parking Lot\ Chilliwack Parking Lot.dwg